

What's New With HiBiT?

Maximizing HiBiT's Functional Versatility

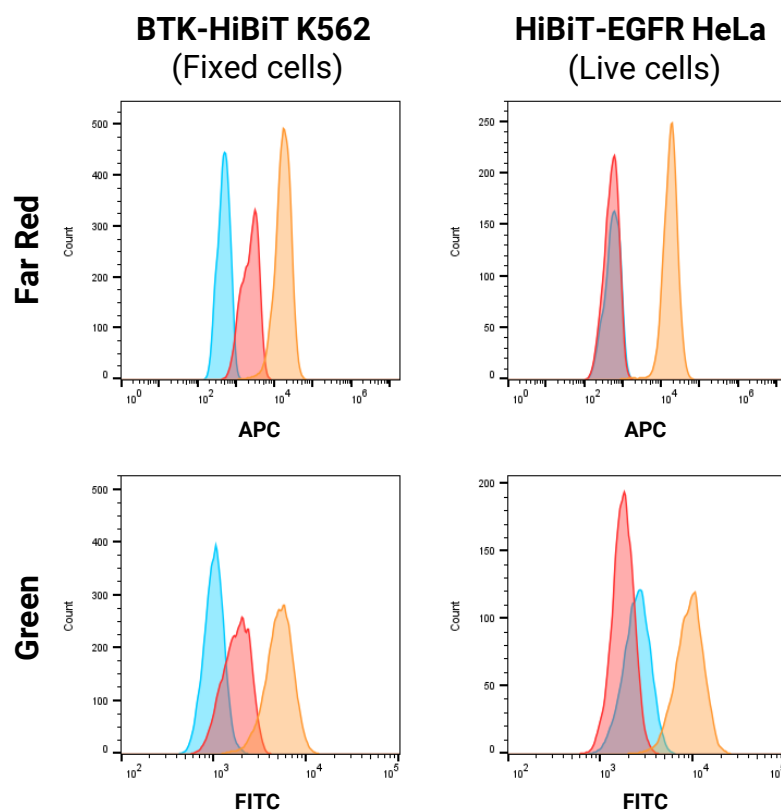
With both sensitive bioluminescence detection and a high-affinity antibody, the 11-amino acid HiBiT tag provides researchers with the functionality to quantify, visualize, and enrich proteins all with one small tag. We're expanding our HiBiT toolbox with the introduction of **Anti-HiBiT Monoclonal Antibody, XFD Fluorophore Conjugates** and **Anti-HiBiT Magne® Beads** through Promega's Early Access Program. These new tools enable HiBiT tag's use for applications such as flow cytometry and co-immunoprecipitation (Co-IP).

Anti-HiBiT Monoclonal Antibody, XFD Fluorophore Conjugates

Sort HiBiT CRISPR knock-in cells efficiently with direct fluorescence detection using the Anti-HiBiT Monoclonal Antibody, XFD Fluorophore Conjugates:

- Sensitive and specific fluorescence signal from XFD dyes (same structure as Alexa Fluor™ dyes)
- Save time by removing the need for secondary antibodies
- Reduce sample loss with fewer wash steps
- Offered in two colors (Green488 and FarRed647) to enable multiplexing
- Compatible with both fixed and live-cell flow cytometry

Detection of HiBiT in CRISPR knock-in cell lines via flow cytometry: HiBiT knock-in (orange) and parental control cells (red) were stained with 1 µg/ml of FarRed647 (top row) or Green488 (bottom row) Anti-HiBiT Monoclonal Antibody, XFD Fluorophore Conjugates. Unstained HiBiT knock-in cells were included for comparison (blue). Samples were analyzed on a BD Accuri C6 Plus Flow Cytometer using the APC or FITC filters, respectively.



Product Listing

Product	Size	Part #
Anti-HiBiT Monoclonal Antibody, Green488	50µg	CS3278A02
Anti-HiBiT Monoclonal Antibody, FarRed647	50µg	CS3278A06

Anti-HiBiT Magne® Beads

The HiBiT epitope tag enables a simple method for protein enrichment. Its compatibility with the sensitive and specific anti-HiBiT monoclonal antibody assists in the effective immunocapture of HiBiT-tagged proteins without overexpressing the protein of interest.

The new Anti-HiBiT Magne® Beads provide you with a fast and convenient procedure for enriching HiBiT-tagged proteins and associated protein complexes from mammalian, yeast, and bacterial cells using IP and Co-IP methods. Thus, this product opens more possibilities for protein biology and mass spec-based proteomic studies. The high-affinity antibodies ensure tag-specific binding with minimal non-specific background. The DrkBiT Peptide can be used to gently elute HiBiT-tagged proteins from the anti-HiBiT Magne beads.

Please review the data generated using the Anti-HiBiT Magne® Beads in our poster titled '[HiBiT Protein Tagging System for Quantitative Study of Protein Dynamics at Endogenous Levels](#),' presented at the ASMS 2024 Conference in Anaheim, CA.



Product Listing

Product	Size	Cat.#
Anti-HiBiT Magne® Beads 1x1mL	1mL	CS3278A08
Anti-HiBiT Magne® Beads 1x5mL	5mL	CS3278A10
DrkBiT Peptide	0.1mL	CS3002A02

Related Products

Product	Size	Cat.#
Anti-HiBiT Monoclonal Antibody*	100µg	N7200
Nano-Glo® HiBiT Blotting System	100ml	N2410
Nano-Glo® HiBiT Lytic Detection System*	10ml	N3030
Nano-Glo® HiBiT Extracellular Detection System*	200 assays	N2040

*Additional sizes available

**Explore more ways
to use HiBiT**



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